



PATENT

1/20/06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

V. N. MALLIKARJUNA RAO ET. AL.

CASE NO.: CL2320USPCT

APPLICATION NO.: 10/572626

CONFIRMATION NO.: 7661

GROUP ART UNIT: 1621

EXAMINER: UNKNOWN

FILED: March 17, 2006

FOR: PROCESS FOR THE PREPARATION OF 1,1,1,3,3-
PENTAFLUOROPROPANE AND 1,1,1,2,3-PENTAFLUOROPROPANE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. Applicants note that U.S. Application No. 10/572,627, U.S. Application No. 10/572,625 and U.S. Application No. 10/572,628 represent national filings of WO 2005/037744, WO 2005/037742 and WO 2005/037431, respectively. Accordingly, no further copies of those U.S. applications are enclosed. The dates listed for those U.S. applications represent the PCT filing dates rather than publication dates.

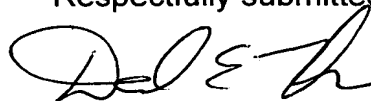
A copy of the other information, if required, is enclosed. Applicants note that a copy of the International Search Report has already been submitted; and that based on the International Search Report, AU 94/80340 appears to be a family member of EP 0 657 408.

Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of

a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

If this Information Disclosure Statement is filed under §1.97(b) but the mailing date hereof is after the mailing of a first Office Action on the merits, the PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. **04-1928** (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D E Heiser', written in a cursive style.

DAVID E. HEISER

Attorney for Applicants

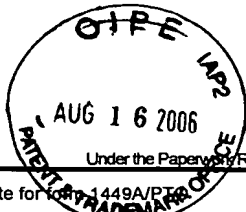
Registration No.: 31,366

Telephone: (302) 892-1926

Facsimile: (302) 892-7949

Dated: August 14, 2006

T:\Patent Documents\CR&D\CL-22xx-CL-23xx\CL-2320\US PCT - IDS LETTER.doc



Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/572626
Filing Date	MARCH 17, 2006
First Named Inventor	VELLIYUR NOTT MALLIKARJUNA RAO
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2320USPCT

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number -	Kind Code ² (if known)			
		US -	2,437,993	03-16-1948	BENNING ET AL.	
		US -	2,942,036	06-21-1960	SMITH ET AL.	
		US -	3,865,885	02-11-1975	BRUCE, JR.	
		US -	3,878,257	04-15-1975	BRUCE, JR.	
		US -	5,036,036	07-30-1991	LEROU	
		US -	5,057,634	10-15-1991	WEBSTER ET AL.	
		US -	5,068,472	11-26-1991	WEBSTER ET AL.	
		US -	5,136,113	08-04-1992	RAO	
		US -	5,281,568	01-25-1994	SCOTT ET AL.	
		US -	5,396,000	03-07-1995	NAPPA ET AL.	
		US -	5,449,656	09-12-1995	SCOTT ET AL.	
		US -	5,623,092	04-22-1997	SCOTT ET AL.	
		US -	5,663,464	09-02-1997	OKAMOTO ET AL.	
		US -	5,714,655	02-03-1998	YAMAMOTO ET AL.	
		US -	5,945,573	08-31-1999	NAPPA ET AL.	
		US -	6,291,730	09-18-2001	BAKER ET AL.	
		US -	6,403,524	06-11-2002	SCOTT ET AL.	
		US -	6,540,933	04-01-2003	SIEVERT ET AL.	
		US -	2001/0011061	08-02-2001	SCOTT ET AL.	
		US -	10/572,627	10-13-2004	RAO ET AL.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
			GB 938,070	09-25-1963	ALLIED CHEMICAL CORP.		<input type="checkbox"/>
			AU-A 94/80340	06-15-1995	ELF ATOCHEM		<input type="checkbox"/>
			EP 0 982 281	03-01-2000	JAPAN REP BY DIR. GEN. OF AGENCY OF INDUSTRIAL; NIPPON		<input type="checkbox"/>
			EP 0 703 208	03-27-1996	DAIKIN INDUSTRIES, LTD		<input type="checkbox"/>
			EP 0 657 408	06-14-1995	ELF ATOCHEM S.A.		<input type="checkbox"/>
			EP 0 502 605	09-09-1992	IMPERIAL CHEMICAL INDUSTRIES PLC		<input type="checkbox"/>
			WO 98/10862	03-19-1998	IMPERIAL CHEMICAL INDUSTRIES PLC		<input type="checkbox"/>
			WO2005/037744	04-28-2005	E. I. DU PONT		<input type="checkbox"/>
			WO2005/037742	04-28-2005	E. I. DU PONT		<input type="checkbox"/>

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	3
-------	---	----	---

Complete if Known

Application Number	10/572626
Filing Date	MARCH 17, 2006
First Named Inventor	VELLIYUR NOTT MALLIKARJUNA RAO
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	CL2320USPCT

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
Application Number		10/572626	
Filing Date		MARCH 17, 2006	
First Named Inventor		VELLIYUR NOTT MALLIKARJUNA RAO	
Group Art Unit		Unknown	
Examiner Name		Unknown	
Attorney Docket Number		CL2320USPCT	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Journal of Fluorine Chemistry, J. KVICALA ET AL., Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapour Phases and Their Isomer Analyses by 19F NMR Spectroscopy, Vol. 43 (1989), pages 155-175	<input type="checkbox"/>
		Journal of American Chemical Soc., A.L. HENNE ET AL., Fluorinated Derivatives of Propane and Propylene, Vol. 68, (1946), pages 496-497	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on August 14, 2006
Date

Deborah M. Jones
Signature

Deborah M. Jones

Typed or printed name of person signing Certificate

-
Registration Number, if applicable

302 992 4943
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

10/572626

CL2320USPCT- Information Disclosure Statement, PTO/SB/08A and PTO/SB/08B form and References

Page ____ of ____